

Abstract

A micro-machined mirror optical crossbar switch directs the light beams of input signal channels to selected output channels by manipulating the focal lengths of adaptive optical elements to ensure that the light beam of any given incoming channel is always focused at the position of the reflective device that is selected to switch that beam. This allows the reflective device to be smaller and switch faster and allows the number of output channels per input channel to be increased.

1044-6708/98/0000-0000\$05.00